

Comparisons of Job Characteristics

Focus Occupation: [First-Line Supervisors of Mechanics, Installers, and Repairers \(49-1011\)](#)

Associated Occupation: [Automotive Service Technicians and Mechanics \(49-3023\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Automotive Service Technicians and Mechanics (49-3023)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Mechanical	6.8	20.8	19.8	0	Current knowledge level may be sufficient
Customer and Personal Service	11.3	15.1	15.9	0	Current knowledge level may be sufficient
Engineering and Technology	5.7	12.9	12.2	0	Current knowledge level may be sufficient
Physics	4.3	8.6	6.7	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 22

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)

Associated Occupation: Automotive Service Technicians and Mechanics (49-3023)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Repairing	3.4	12.7	10.0	<	A higher skill level may be required
Equipment Maintenance	3.5	11.6	10.1	<	A higher skill level may be required
Troubleshooting	4.5	11.4	10.4	0	Current skill level may be sufficient
Operation and Control	5.4	11.1	8.5	<<	Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.9	10.1	0	Current skill level may be sufficient
Quality Control Analysis	5.9	10.4	11.6	>	Skill level is likely sufficient
Equipment Selection	3.3	9.4	7.5	<	A higher skill level may be required
Installation	1.7	6.4	3.4	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 61			
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Automotive Service Technicians and Mechanics (49-3023)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Extent Flexibility	4.8	14.4	5.3	<<	Extensive improvement in abilities may be required
Control Precision	6.6	13.5	9.1	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	12.6	9.2	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	12.4	7.7	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	12.2	8.7	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	12.0	9.0	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	11.8	9.7	<	Some improvement in abilities may be required
Auditory Attention	5.9	10.6	10.0	0	Current ability level may be sufficient
Sound Localization	2.2	5.9	6.0	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 69
Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011) Associated Occupation: Automotive Service Technicians and Mechanics (49-3023)		
Work Activities	Exclusivity of Activity	
Determine installation, service, or repair needed	58	
Diagnose mechanical problems in machinery or equipment	65	
Estimate cost for repair services	82	
Inspect machinery or equipment to determine adjustments or repairs needed	42	
Read schematics	34	
Read technical drawings	7	
Read work order, instructions, formulas, or processing charts	9	
Understand service or repair manuals	40	
Understand technical operating, service or repair manuals	6	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 82

Focus Occupation: First-Line Supervisors of Mechanics, Installers, and Repairers (49-1011)
Associated Occupation: Automotive Service Technicians and Mechanics (49-3023)

Tools and Technologies	Exclusivity
Business function specific software	1
Computer printers	2
Computers	1
Data management and query software	1
Finance accounting and enterprise resource planning ERP software	2
Industry specific software	1
Network applications software	1
Personal communication devices	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.